



CO₂ncrEAT

Belgium

PRIMARY

BELGIUM

fluxys & prefer[®]

Lhoist orbix

Lhoist, Fluxys, Prefer and Orbix formed a consortium to industrialize an innovative process consisting in utilization of CO₂ exhausting from Lhoist kilns by company Prefer. The process uses the CO₂ as carbonating agent to solidify concrete construction blocks. The CO₂ is therefore chemically captured in the blocks.

IPS has been contracted as engineering office to this project by the consortium. We supported the customer in the definition of the process, using experimental data from pilot unit to design industrial scale facility.

Principal project data

CCU System for production of construction blocks

Scope IPS

Process Design
Basic & Detailed Design
Permitting

